FOIL when $A \neq 1$ SLTN (version 114)

FOIL the expressions shown below:

1. $(-8x + 9)(9x - 4)$

$$(-8)(9)x^2 + (-8)(-4)x + (9)(9)x + (9)(-4)$$
$$(-72)x^2 + (32)x + (81)x + (-36)$$
$$-72x^2 + 113x - 36$$

2. $(-7x + 3)(6x + 6)$

$$(-7)(6)x^2 + (-7)(6)x + (3)(6)x + (3)(6)$$
$$(-42)x^2 + (-42)x + (18)x + (18)$$
$$-42x^2 - 24x + 18$$

3. $(-2x + 8)(6x - 9)$

$$(-2)(6)x^2 + (-2)(-9)x + (8)(6)x + (8)(-9)$$
$$(-12)x^2 + (18)x + (48)x + (-72)$$
$$-12x^2 + 66x - 72$$

4. $(-8x - 3)(-2x + 2)$

$$(-8)(-2)x^2 + (-8)(2)x + (-3)(-2)x + (-3)(2)$$
$$(16)x^2 + (-16)x + (6)x + (-6)$$
$$16x^2 - 10x - 6$$

5. $(7x + 4)(-8x + 9)$

$$(7)(-8)x^2 + (7)(9)x + (4)(-8)x + (4)(9)$$
$$(-56)x^2 + (63)x + (-32)x + (36)$$
$$-56x^2 + 31x + 36$$

FOIL the expressions shown below:

6. $(-5x + 2)(-7x + 7)$

$$(-5)(-7)x^2 + (-5)(7)x + (2)(-7)x + (2)(7)$$
$$(35)x^2 + (-35)x + (-14)x + (14)$$
$$35x^2 - 49x + 14$$

7. $(2x - 7)(4x - 5)$

$$(2)(4)x^2 + (2)(-5)x + (-7)(4)x + (-7)(-5)$$
$$(8)x^2 + (-10)x + (-28)x + (35)$$
$$8x^2 - 38x + 35$$

8. $(-4x + 8)(7x + 8)$

$$(-4)(7)x^2 + (-4)(8)x + (8)(7)x + (8)(8)$$
$$(-28)x^2 + (-32)x + (56)x + (64)$$
$$-28x^2 + 24x + 64$$

9. $(-8x - 7)(-7x - 3)$

$$(-8)(-7)x^2 + (-8)(-3)x + (-7)(-7)x + (-7)(-3)$$
$$(56)x^2 + (24)x + (49)x + (21)$$
$$56x^2 + 73x + 21$$

10. $(3x - 2)(-6x - 8)$

$$(3)(-6)x^2 + (3)(-8)x + (-2)(-6)x + (-2)(-8)$$
$$(-18)x^2 + (-24)x + (12)x + (16)$$
$$-18x^2 - 12x + 16$$